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PRODUCTION OF RECOMBINANT PROTEIN

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Abstract of JP3244391

PURPOSE: To produce a useful protein by culturing *Escherichia coli* transformed with an expression plasmid in which a DNA capable of coding the useful protein such as human B cell differentiation factor is integrated in a culture medium containing a soybean hydrolyzate added thereto. **CONSTITUTION:** An expression plasmid in which a DNA capable of coding a useful protein such as human B cell differentiation factor or human Interleukin 2 is integrated is used to transform *Escherichia coli*. The resultant transformed *Escherichia coli* is then cultured in a culture medium containing a soybean hydrolyzate added thereto to produce the useful protein, which is subsequently recovered from the culture medium. The amount of the soybean hydrolyzate added to the culture medium is preferably 1-10 wt.% based on the culture medium. The culturing temperature is preferably about 20-45 deg.C, more preferably about 35-39 deg.C in the aforementioned culturing and the pH during the culturing is preferably about 5-9, more preferably about 6-7.

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